Fully configurable matrix switcher frames supporting DVI 1.0 and HDMI 1.3 for multiroom, medical and home cinema applications

MX-DVI-FR16 / MX-DVI-FR32
MX-DVI-FR32R / MX-FR80R

MX-DVI-FR16 MX-DVI-FR32 MX-DVI-FR32R MX-FR80R

MX-DVI-FR16, MX-DVI-FR32, MX-DVI-FR32R, MX-FR80R are the highest performance modular expandable DVI 1.0 and HDMI 1.3 compliant matrix switchers that offer up to 80 Input and up to 80 Output in four different frame sizes. The built-in sophisticated software and hardware features make the router most flexible and integrated solution for AV professionals and high-end home theatre applications.

Field-upgradeable modular design:
Due to their truly modular design, MX-DVI-FR16, MX-DVI-FR32, MX-DVI-FR32R and MX-FR80R can be customized in different I/O sizes from 8x8 to up to 80x80. Each Input and Output board contains 8 channels, except for the Dual-Link DVI I/O boards, which have 4 channels per board.

Non-blocking topology:
Any Input can be tied to any or all Output without limitations. One source can be viewed on multiple destination at the same time. The number of crosspoints is not limited by any factor. Crosspoint switching is done instantly without any frame delay or frame latency.

Hybrid architecture:
Any type of input signal (fiber optical, DVI, HDMI or Cat5..Cat7) can be tied to any type of output connector (fiber optical, DVI, HDMI or Cat5..Cat7).

Cross-platform design:
Various combination of I/O boards can be used in the same frame at the same time. The matrix frame provides interoperability between different types of boards.

Redundant power supplies:
MX-DVI-FR32R and MX-FR80R are equipped with N+1 redundant power supplies to ensure continuous 24/7 operation. In case of power supply failure, the supplies can be hot swapped.

Control options:
Front panel buttons; RS-232 / RS-422; TCP/IP Ethernet; Built-in website. All frames are Vista Spyder and Barco Encore compatible.

Specifications for all frames:

Advanced EDID Management	
EDID memory:	50 factory preset and 50 user programmable
EDID emulation:	256-Byte Extended EDID v1.3
Control	
Front panel buttons:	Yes
Front panel LCD:	Yes
RS-232/422:	9600 Baud RX, TX
LAN:	Ethernet 10Base-T or 100Base-TX (Auto-sensing)
WEB:	Built-in website
Environmental	
Temperature:	0°C to +50°C operational -40°C to +70°C storage
Humidity:	10 to 90% non-condensing
Altitude:	2000 m operational
EMI/EMC compliance:	Yes, EN 55022 Class B
RoHS compliance:	Yes
Warranty:	**3 years**

Frame-dependent specifications:

MX-DVI-FR16

- I/O sizes: 8x8 to 16x16
- Rack height: 4U
- Dimensions with rack mounting ears: 482 W x 176,5 H x 300 D mm
- Dimensions without rack mounting ears: 440 W x 176,5 H x 300 D mm
- Net weight[1]: 9,8 kg
- Power consumption[2]: 12 W
- Number of power supplies: 1
- Power supply hot swappable: No
- Cooling: forced convection, 2 pcs. 119 x 119 x 25 mm fans

MX-DVI-FR32

- I/O sizes: 8x8 to 32x32
- Rack height: 5U
- Dimensions with rack mounting ears: 482 W x 221 H x 300 D mm
- Dimensions without rack mounting ears: 440 W x 221 H x 300 D mm
- Net weight[1]: 11 kg
- Power consumption[2]: 19 W
- Number of power supplies: 1
- Power supply hot swappable: No
- Cooling: forced convection, 2 pcs. 119 x 119 x 25 mm fans

MX-DVI-FR32R

- I/O sizes: 8x8 to 32x32
- Rack height: 7U
- Dimensions with rack mounting ears: 482 W x 309,5 H x 400 D mm
- Dimensions without rack mounting ears: 440 W x 309,5 H x 400 D mm
- Net weight[1]: 12 kg
- Power consumption[2]: 22 W
- Number of power supplies: 2
- Power supply hot swappable: Yes
- Cooling: forced convection, 4 pcs. 119 x 119 x 25 mm fans

MX-FR80R

- I/O sizes: 8x8 to 80x80
- Rack height: 15U
- Dimensions with rack mounting ears: 482 W x 665 H x 392 D mm
- Dimensions without rack mounting ears: 440 W x 665 H x 392 D mm
- Net weight[1]: 25 kg
- Power consumption[2]: 120 W
- Number of power supplies: 3
- Power supply hot swappable: Yes
- Cooling: forced convection, 10 pcs. 119 x 119 x 25 mm fans

[1] with CPU board, power supplies and without I/O boards
[2] with CPU board and without I/O boards

Modular Hybrid Concept

MX-DVID-OB: 8 channel DVI-D Single-Link Output board with DVI-I connectors; Pixel Accurate Reclocking; Skew compensation.

MX-DVIDL-OB: 4 channel Pro series Dual-Link DVI digital only Output board with DVI-I connectors.

MX-DVI-TP-OB: 8 channel RJ45 Output board for DVI signal transmission over single CAT5, CAT6 or CAT7 cable.

MX-DVI-OPT-OB-LC: Fiber Output board for router frames. Available connectors: -LC, -ST, -SC, -Neutrik.

MX-DVID-IB: 8 channel DVI-D Single-Link Input board with DVI-I connectors. Adaptive equalization for up to 60 m DVI cable.

MX-DVIDL-IB: 4 channel Pro series Dual-Link DVI digital only input board with DVI-I connectors. Adaptive and Manual equalization.

MX-DVI-TP-IB: 8 channel RJ45 Input board for DVI signal transmission over single CAT5, CAT6 or CAT7 cable.

MX-DVI-OPT-IB-LC: Fiber Input board for router frames. Available connectors: -LC, -ST, -SC, -Neutrik.